ABSTRACT OF THE DISCLOSURE

The invention relates to a rotor for an electrical rotating machine, e.g., a turbo generator. The rotor has a rotor winding that is provided with several sectors positioned next to each other in circumferential direction. In each sector, several conductor bars are stacked on top of each other in radial direction. The conductor bars extend parallel to the longitudinal rotor axis. Each of the sectors has an axial ventilation channel and several radial ventilation openings communicating with said ventilation channel. In relation to the conductor bars, the ventilation channel is positioned radially inside and extends parallel to the longitudinal rotor axis. The ventilation openings are spaced apart from each other in axial direction and extend radially through the conductor bars. In order to improve the production of the rotor, the ventilation openings in the conductor bars are formed by circular holes that, in the case of the stacked conductor bars of a sector, are positioned so as to be radially aligned with each other.